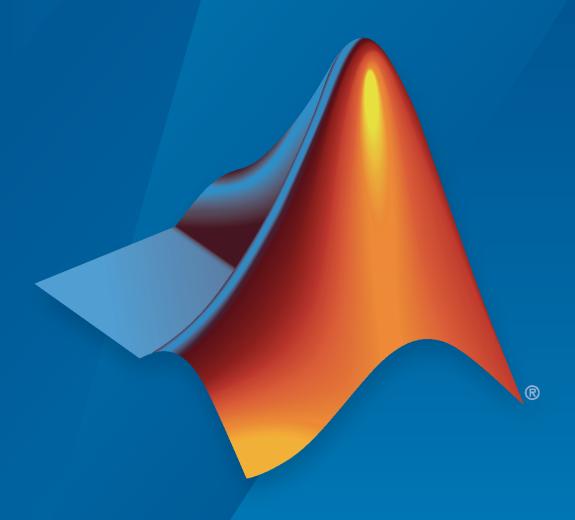
# Datafeed Toolbox™ Release Notes



# MATLAB®



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Datafeed Toolbox™ Release Notes

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### R2021a

Version: 6.0

**New Features** 

**Bug Fixes** 

**Compatibility Considerations** 

#### **Bloomberg C++ interfaces**

You can connect to Bloomberg® Desktop, Bloomberg Server, Bloomberg B-PIPE®, and Bloomberg EMSX using the corresponding Bloomberg C++ interfaces. For details about each of these interfaces, see:

- "Bloomberg Desktop C++ Interface"
- "Bloomberg B-PIPE C++ Interface"
- "Bloomberg Server C++ Interface"
- "Bloomberg EMSX C++ Interface"

#### **Functionality moving to File Exchange**

Functionality for creating connections to the following data providers has moved to File Exchange on MATLAB® Central $^{\text{m}}$ . You can access the documentation from the prior release.

Provider	Archived Documentation
Bloomberg Data License	https://www.mathworks.com/help/releases/ R2020b/datafeed/bdl.html
FactSet®	https://www.mathworks.com/help/releases/ R2020b/datafeed/factset-1.html
IQFEED®	https://www.mathworks.com/help/releases/ R2020b/datafeed/iqfeed.html
Kx Systems®, Inc.	https://www.mathworks.com/help/releases/ R2020b/datafeed/kx-systems-inchtml
RavenPack® News Analytics	https://www.mathworks.com/help/releases/ R2020b/datafeed/ravenpack-1.html
Elektron™ from Refinitiv™	https://www.mathworks.com/help/releases/ R2020b/datafeed/elektron-1.html
Enterprise Platform from Refinitiv	https://www.mathworks.com/help/releases/ R2020b/datafeed/enterprise-platform.html
STATS.com	https://www.mathworks.com/help/releases/ R2020b/datafeed/stats-com.html
Interactive Brokers®	https://www.mathworks.com/help/releases/ R2020b/trading/interactive-brokers.html
FIX Flyer™	https://www.mathworks.com/help/releases/ R2020b/trading/fix-flyer.html

#### Functionality being removed or changed

#### datastream object has been removed

The datastream object has been removed. Use the datastreamws object instead.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream™ Web Services from Refinitiv connection.

In prior releases, you created a datastream object by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

#### fetch function has been removed

The fetch function has been removed. Use the history function instead.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the history function to retrieve Datastream Web Services from Refinitiv historical data.

In prior releases, you created a datastream object and retrieved data by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
data = fetch(Connect, 'ICI', {'P', 'P0'}, '09/01/2007');

Now use the datastreamws and history functions instead.

username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);

sec = 'VOD';
```

#### get function has been removed

d = history(c,sec);

The get function has been removed.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream Web Services from Refinitiv connection.

In prior releases, you created a datastream object and retrieved properties by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
value = get(c);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

There is no replacement functionality for the get function. To access the properties of the datastreamws object, use dot notation.

#### isconnection function has been removed

The isconnection function has been removed without replacement.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream Web Services from Refinitiv connection.

In prior releases, you created a datastream object and verified the connection by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
x = isconnection(c);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

There is no replacement functionality for the isconnection function.

#### close function has been removed

The close function has been removed. There is no replacement for the close function.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream Web Services from Refinitiv connection.

In prior releases, you created a datastream object and closed the Datastream connection by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
close(c)
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username, password);
```

There is no replacement functionality for the close function.

#### rdth object has been removed

The rdth object has been removed. Use the trth object instead.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the trth function to create a Tick History from Refinitiv connection.

In prior releases, you created a rdth object and closed the Datastream connection by writing code similar to the following:

```
username = 'user@company.com';
password = 'mypassword';
c = rdth(username,password);
close(c)
```

Now specify only the user name and password with the trth function.

```
username = 'username';
password = 'password';
c = trth(username,password);
```

#### fetch function has been removed

The fetch function has been removed. Use the history or timeseries functions instead.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the history or timeseries functions to retrieve data using a Tick History from Refinitiv connection.

In prior releases, you retrieved data using the fetch function by writing code similar to the following:

```
username = 'username';
password = 'password';
c = trth(username,password);

sec = ["IBM.N","Ric"];
fields = ["Open";"Last"];
startdate = datetime('yesterday');
enddate = datetime('today');
d = history(c,sec,fields,startdate,enddate);
```

Or, use the timeseries function to retrieve intraday data.

```
username = 'username';
password = 'password';
c = trth(username,password);

sec = ["IBM.N","Ric"];
fields = ["Trade - Exchange Time";"Trade - Price";"Trade - Volume"];
startdate = datetime('11/06/2017','InputFormat','MM/dd/yyyy');
enddate = datetime('11/07/2017','InputFormat','MM/dd/yyyy');
d = timeseries(c,sec,fields,startdate,enddate);
```

#### get function has been removed

The **get** function has been removed without replacement.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the trth function to create a Tick History from Refinitiv connection.

In prior releases, you retrieved the properties of the connection by writing code similar to the following:

```
username = 'user@company.com';
password = 'mypassword';
```

```
c = rdth(username,password);
v = get(c);
close(c)
```

Now specify only the user name and password with the trth function.

```
username = 'username';
password = 'password';
c = trth(username,password);
```

There is no replacement functionality for the get function. To access the properties of the trth object, use dot notation.

#### isconnection function has been removed

The isconnection function has been removed without replacement.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the trth function to create a Tick History from Refinitiv connection.

In prior releases, you verified the connection by writing code similar to the following:

```
username = 'user@company.com';
password = 'mypassword';

c = rdth(username,password);
x = isconnection(c);
close(c)
```

Now specify only the user name and password with the trth function.

```
username = 'username';
password = 'password';
c = trth(username, password);
```

There is no replacement functionality for the isconnection function.

#### status function has been removed

The status function has been removed without replacement.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the trth function to create a Tick History from Refinitiv connection.

In prior releases, you checked the status of your FTP request by writing code similar to the following:

```
username = 'user@company.com';
password = 'mypassword';
c = rdth(username,password);
```

Now specify only the user name and password with the trth function to create a connection.

```
username = 'username';
password = 'password';
c = trth(username,password);
```

There is no replacement functionality for the status function.

#### submitftp function has been removed

The submitftp function has been removed without replacement.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the trth function to create a Tick History from Refinitiv connection.

In prior releases, you submitted an FTP request by writing code similar to the following:

Now specify only the user name and password with the trth function to create a connection.

```
username = 'username';
password = 'password';
c = trth(username,password);
```

There is no replacement functionality for the submitftp function.

#### rdthloader function has been removed

The rdthloader function has been removed without replacement.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the trth function to create a Tick History from Refinitiv connection.

In prior releases, you retrieved data from a Tick History file by writing code similar to the following:

```
x = rdthloader('file.csv','date',{'02/02/2007'});
Now use the history function to retrieve historical data.
username = 'username';
password = 'password';
c = trth(username,password);
sec = ["IBM.N", "Ric"];
fields = ["Open";"Last"];
startdate = datetime('yesterday');
enddate = datetime('today');
d = history(c,sec,fields,startdate,enddate);
Or, use the timeseries function to retrieve intraday data.
username = 'username';
password = 'password';
c = trth(username,password);
sec = ["IBM.N", "Ric"];
fields = ["Trade - Exchange Time";"Trade - Price";"Trade - Volume"];
startdate = datetime('11/06/2017','InputFormat','MM/dd/yyyy');
```

There is no replacement functionality for the rdthloader function.

enddate = datetime('11/07/2017', 'InputFormat', 'MM/dd/yyyy');

#### close function has been removed

The close function has been removed without replacement.

d = timeseries(c,sec,fields,startdate,enddate);

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the trth function to create a Tick History from Refinitiv connection.

In prior releases, you created a rdth object and closed the Datastream connection by writing code similar to the following:

```
username = 'user@company.com';
password = 'mypassword';

c = rdth(username,password);
close(c)
```

Now specify only the user name and password with the trth function.

```
username = 'username';
password = 'password';
c = trth(username, password);
```

There is no replacement functionality for the close function.

# R2020b

**Version: 5.9.2** 

**Bug Fixes** 

# R2020a

**Version: 5.9.1** 

**Bug Fixes** 

**Compatibility Considerations** 

#### Functionality being removed or changed

#### datastream object will be removed

Warns

The datastream object will be removed in a future release. Use the datastreamws object instead.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream Web Services from Refinitiv connection.

In prior releases, you created a datastream object by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username, password, source, url);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

#### fetch function will be removed

Warns

The fetch function will be removed in a future release. Use the history function instead.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the history function to retrieve Datastream Web Services from Refinitiv historical data.

In prior releases, you created a datastream object and retrieved data by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
data = fetch(Connect, 'ICI', {'P', 'P0'}, '09/01/2007');
Now use the datastreamws and history functions instead.
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
sec = 'VOD';
d = history(c,sec);
```

#### get function will be removed

Warns

The get function will be removed in a future release.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream Web Services from Refinitiv connection.

In prior releases, you created a datastream object and retrieved properties by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
value = get(c);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

There is no replacement functionality for the get function. To access the properties of the datastreamws object, use dot notation.

#### isconnection function will be removed

Warns

The isconnection function will be removed in a future release without replacement.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream Web Services from Refinitiv connection.

In prior releases, you created a datastream object and verified the connection by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
x = isconnection(c);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

There is no replacement functionality for the isconnection function.

#### close function will be removed

Warns

The close function will be removed in a future release. There is no replacement for the close function.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream Web Services from Refinitiv connection.

In prior releases, you created a datastream object and closed the Datastream connection by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
close(c)
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

There is no replacement functionality for the close function.

# R2019b

Version: 5.9

**Bug Fixes** 

# R2019a

**Version: 5.8.1** 

**Bug Fixes** 

# R2018b

Version: 5.8

**New Features** 

**Bug Fixes** 

**Compatibility Considerations** 

#### **Quandl Interface: Access historical market data**

Create a Quandl $^{\otimes}$  connection using the quandl function. You can retrieve historical market data. After retrieving data, you can make investment decisions. For details, see Quandl.

#### IHS Markit Interface: Access factor data

Create an IHS  $Markit^{@}$  connection using the <code>ihsmarkitrs</code> function, and then retrieve factor, security, universe, and signals data. After retrieving data, you can use it for portfolio selection or in your existing models. For details, see IHS Markit.

#### Datastream Web Services Interface: Access historical market data

Create a Datastream Web Services connection using the datastreamws function. You can retrieve historical market data. After retrieving data, you can make investment decisions. For details, see Datastream Web Services.

# FRED, Haver Analytics, and RavenPack News Analytics Data Return Formatting: Set new properties to control the output data format

The fred and haver connection objects have two new properties, DataReturnFormat and DatetimeType. The ravenpack connection object has the new DataReturnFormat property. When you execute FRED®, Haver Analytics®, and RavenPack News Analytics functions, use the DataReturnFormat property to control the data type of the returned data. The DatetimeType property controls the data type for dates and times in the returned data. For details about these properties, see the fred, haver, and ravenpack objects.

#### Functionality being removed or changed

#### datastream object will be removed

Still runs

The datastream object will be removed in a future release. Use the datastreamws object instead.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream web services connection.

In prior releases, you created a datastream object by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username, password, source, url);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

#### fetch function will be removed

Still runs

The fetch function will be removed in a future release. Use the history function instead.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the history function to retrieve Datastream web services historical data.

In prior releases, you created a datastream object and retrieved data by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
data = fetch(Connect, 'ICI', {'P', 'P0'}, '09/01/2007');
Now use the datastreamws and history functions instead.
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
sec = 'VOD';
d = history(c,sec);
```

#### get function will be removed

Still runs

The get function will be removed in a future release.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream web services connection.

In prior releases, you created a datastream object and retrieved properties by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';

c = datastream(username,password,source,url);
value = get(c);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

There is no replacement functionality for the get function. To access the properties of the datastreamws object, use dot notation.

#### isconnection function will be removed

Still runs

The isconnection function will be removed in a future release without replacement.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream web services connection.

In prior releases, you created a datastream object and verified the connection by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
x = isconnection(c);
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

There is no replacement functionality for the isconnection function.

#### close function will be removed

Still runs

The close function will be removed in a future release. There is no replacement for the close function.

Some differences between the workflows require updates to your code.

#### **Update Code**

Use the datastreamws function to create a Datastream web services connection.

In prior releases, you created a datastream object and closed the Thomson Reuters® Datastream connection by writing code similar to the following:

```
username = 'DS:username';
password = 'password';
source = 'Datastream';
url = 'http://dataworks.thomson.com/Dataworks/Enterprise/1.0';
c = datastream(username,password,source,url);
close(c)
```

Now specify only the user name and password with the datastreamws function.

```
username = 'ABCDEF';
password = 'abcdef12345';
c = datastreamws(username,password);
```

There is no replacement functionality for the close function.

# R2018a

Version: 5.7

**New Features** 

# Bloomberg Data Return Formatting: Set new properties to control output data format

The Bloomberg connection objects have two new properties, <code>DataReturnFormat</code> and <code>DatetimeType</code>. When you execute a Bloomberg function, use the <code>DataReturnFormat</code> property to control the data type of the returned data. The <code>DatetimeType</code> property controls the data type for dates in the returned data. For details, see these properties in the <code>blp</code>, <code>blpsrv</code>, and <code>bpipe</code> functions.

# Thomson Reuters Tick History Interface: Access historical and intraday market data

Create a Thomson Reuters Tick History connection using the trth function, and then retrieve historical and intraday market data. After retrieving data, you can make investment decisions. For details, see Thomson Reuters Tick History.

#### **Compatibility Considerations**

This table lists all Thomson Reuters Tick History functionality that will be removed in a future release. Use the functionality of the new interface instead.

Functionality	Result	Use Instead	Compatibility Considerations
rdth	Still runs	trth	Replace all instances of the rdth function with the trth function.
fetch	Still runs	history or timeseries	Replace all instances of the fetch function with either the history or timeseries functions.
get	Still runs	Nothing	No replacement
isconnection	Still runs	Nothing	No replacement
status	Still runs	Nothing	No replacement
submitftp	Still runs	Nothing	No replacement
rdthloader	Still runs	Nothing	No replacement
close	Still runs	Nothing	No replacement

# R2017b

Version: 5.6

**New Features** 

# Twitter Support: Easily connect to Twitter, aggregate data for analysis, and access REST API endpoints

Create a Twitter $^{\$}$  connection using the twitter function. You can retrieve historical Tweets and other data, perform sentiment analysis, and post data to Twitter. Also, you can access any Twitter REST API endpoint. For details, see Twitter .

### **Functionality Being Removed or Changed**

This table lists all Thomson Reuters Tick History functionality that will be removed in a future release.

Functionality	Result	Use Instead	Compatibility Considerations
rdth	Still runs	Nothing	No replacement
fetch	Still runs	Nothing	No replacement
get	Still runs	Nothing	No replacement
isconnection	Still runs	Nothing	No replacement
status	Still runs	Nothing	No replacement
submitftp	Still runs	Nothing	No replacement
rdthloader	Still runs	Nothing	No replacement
close	Still runs	Nothing	No replacement

# R2017a

Version: 5.5

**New Features** 

**Bug Fixes** 

# **Elektron Interface: Access current and real-time data directly from Elektron**

Create a connection to Elektron using the elektron function. Retrieve current and real-time data using MATLAB functionality. For details, see https://www.mathworks.com/help/releases/R2017a/datafeed/thomson-reuters-elektron.html.

#### Yahoo! removed

All Yahoo!® functionality and the Datafeed dialog box have been removed.

### **Compatibility Considerations**

These functions have no replacement: yahoo, builduniverse, fetch, isconnection, and close.

# R2016b

Version: 5.4

**New Features** 

**Bug Fixes** 

# Money.Net Interface: Access historical, real-time, and news data directly from MATLAB

Create a connection to Money.Net using moneynet. Retrieve current, intraday, historical, real-time, and news data using MATLAB functionality. For details, see Money.Net.

#### STATS.com Interface: Access team, athlete, and event data

Retrieve current and historical team, athlete, and event data from STATS.com using MATLAB functionality. For details, see STATS.com.

### Functionality being removed or changed

This table lists all eSignal® functionality that has been removed.

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
esig	Errors	Nothing	No replacement
getdata	Errors	Nothing	No replacement
getfundamentaldata	Errors	Nothing	No replacement
history	Errors	Nothing	No replacement
timeseries	Errors	Nothing	No replacement
close	Errors	Nothing	No replacement

# R2016a

Version: 5.3

**Bug Fixes** 

#### **Interactive Data removed**

All Interactive Data $^{\text{m}}$  functionality has been removed because MATLAB no longer supports 32-bit Windows $^{\text{@}}$ . Accessing the Interactive Data RemotePlus $^{\text{(SM)}}$  data using the Datafeed dialog box is no longer supported.

### **Compatibility Considerations**

These functions have no replacement: idc, fetch, get, isconnection, and close.

#### **Thomson Reuters Eikon removed**

All Thomson Reuters Eikon® functionality has been removed because MATLAB no longer supports 32-bit Windows.

#### **Compatibility Considerations**

These functions have no replacement: treikon, getdata, history, realtime, start, stop, and chain.

#### Functionality being removed or changed

This table lists all eSignal functionality that is being removed in a future release.

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
esig	Warns	Nothing	No replacement
getdata	Warns	Nothing	No replacement
getfundamentaldata	Warns	Nothing	No replacement
history	Warns	Nothing	No replacement
timeseries	Warns	Nothing	No replacement
close	Warns	Nothing	No replacement

# R2015b

Version: 5.2

**New Features** 

### **Bloomberg portfolio Function: Access portfolio holding information**

Request current portfolio data for Bloomberg using portfolio.

# RavenPack News Analytics Interface: Access historical and real-time news sentiment data

Retrieve intraday, historical, and real-time news event data using RavenPack News Analytics.

Function	Purpose
ravenpack	Connect to RavenPack News Analytics.
entitlements	Retrieve RavenPack News Analytics Data Gateway entitlements.
timeseries	Retrieve RavenPack News Analytics intraday and historical data.
realtime	Retrieve RavenPack News Analytics real-time data.
rploader	Read the RavenPack News Analytics data file.
close	Close the RavenPack News Analytics connection.

# R2015a

Version: 5.1

**New Features** 

### **Bloomberg Data License support**

 $\hbox{Connect to Bloomberg Data License using $bdl$. Upload data request files and download the output files. } \\$ 

# R2014b

Version: 5.0

**New Features** 

### **Data access through Thomson Reuters Eikon**

Retrieve current market, real-time, and historical data using Thomson Reuters Eikon.

Function	Purpose
treikon	Connect to Thomson Reuters Eikon.
getdata	Retrieve Thomson Reuters Eikon current market data.
history	Retrieve Thomson Reuters Eikon historical data.
realtime	Retrieve Thomson Reuters Eikon real-time data.
start	Resume Thomson Reuters Eikon real-time data retrieval.
stop	Stop Thomson Reuters Eikon real-time data retrieval.
chain	Retrieve Thomson Reuters Eikon chain data.

### **Data access through Bloomberg Server**

Connect to Bloomberg Server using blpsrv. You can use the existing functions to retrieve current market, real-time, intraday tick, historical, and security lookup data using Bloomberg Server.

### **Data access through Bloomberg B-PIPE**

Connect to Bloomberg B-PIPE using bpipe. You can use the existing functions to retrieve current market, real-time, intraday tick, historical, and security lookup data using Bloomberg B-PIPE.

# R2014a

Version: 4.7

**New Features** 

### Lookup functionality for Bloomberg Instrument service

The lookup function enables finding information about a security, a curve, or a government security.

# R2013b

Version: 4.6

**New Features** 

# Multiple security request performance improvements for Bloomberg history function

The history function has improved performance.

### R2013a

Version: 4.5

**New Features** 

**Bug Fixes** 

#### Function for accessing real-time data from FactSet workstations

Support for FactSet Data Server real-time data using fds, close, stop, and realtime.

# X\_TRADER functions, originally in Datafeed Toolbox, now in Trading Toolbox

The following  $X_TRADER^{\otimes}$  functions are removed from Datafeed Toolbox and migrated to Trading Toolbox. xtrdr, close, createInstrument, createNotifier, createOrderProfile, createOrderSet, and getData.

#### **Compatibility Considerations**

Contact your account representative.

#### **Bloomberg legacy functions removed**

The following legacy Bloomberg functions are removed from Datafeed Toolbox: showtrades, pricevol, stockticker, history, realtime, getdata, timeseries, getdata, and stop.

#### **Compatibility Considerations**

Use the Datafeed Toolbox V3 blp functions for Bloomberg: getdata, history, realtime, and timeseries.

# R2012b

Version: 4.4

**New Features** 

### Functions for accessing data through the IQFEED service

Support for IQFEED data using iqf, iqf.close, iqf.history, iqf.marketdepth, iqf.news, iqf.realtime, and iqf.timeseries.

### **Support for Bloomberg Historical Technical Analysis**

Support for Bloomberg V3 API for historical technical analysis using blp.tahistory.

### **Support for Bloomberg Equity Screening**

Support for Bloomberg V3 API for equity screening service (EQS) using blp.eqs.

### R2012a

Version: 4.3

**New Features** 

### **Support for Trading Technologies X\_TRADER**

The new xtrdr function and related methods provide access to the Trading Technologies® X TRADER API for 32-bit Windows.

Three examples demonstrating xtrdr and its methods are included:

- TTPriceUpdateExample.m
- TTPriceUpdateDepthExample.m
- TTOrderSubmitExample.m

### **64-Bit Support for Haver Analytics**

The haver function and related methods are now supported on 64-bit Windows.

### **Broker Buy and Sell Codes Added to Bloomberg Intraday Output**

You can now request the broker buy and sell codes of each trade as part of an intraday tick request. These codes identify the market makers.

### **Timeout Argument for blp**

The blp function has a new timeout mechanism. You can now specify how long to attempt connection before timing out if the connection cannot be made.

### R2011b

Version: 4.2

**New Features** 

**Bug Fixes** 

### **Support for SIX Financial Information**

The new tlkrs function and related methods provide access to current, historical, and intraday data from SIX Financial Information.

#### **Improved Performance for blp Methods**

The blp.history and blp.timeseries methods now have improved performance.

#### blp.history Now Supports Overrides

The blp.history method now includes an 'overrideOption' argument.

#### **Warning and Error ID Changes**

Many warning and error IDs have changed from their previous versions. These warnings or errors typically appear during a function call.

### **Compatibility Considerations**

If you use warning or error IDs, you might need to change the strings you use. For example, if you turned off a warning for a certain ID, the warning might now appear under a different ID. If you use a try/catch statement in your code, replace the old identifier with the new identifier. There is no definitive list of the differences, or of the IDs that changed.

# R2011a

Version: 4.1

**New Features** 

### **New rdth Methods for FTP Requests to Thomson Reuters Tick History**

The new rdth.submitftp method submits FTP requests for Thomson Reuters Tick History data.

The rdth.status method returns the status and queue position of the FTP request handle.

# R2010b

Version: 4.0

**New Features** 

**Bug Fixes** 

#### Support for eSignal Data Retrieval

Datafeed Toolbox software now supports retrieving data from eSignal.

#### **New blp Methods Return Information About Bloomberg V3 Connection**

Three new methods for the blp function return information about the Bloomberg V3 connection:

- blp.category returns category information for a specific search string.
- blp.fieldinfo returns field information for a specific field mnemonic.
- blp.fieldsearch returns field information for a specific search string.

#### blp.timeseries Method Now Returns Total Value

The blp.timeseries method now returns an additional field, Total Tick Value, when returning Bloomberg V3 intraday tick data.

#### **Support for Reuters Publishing**

You can now contribute data to a Reuters® datafeed with the new reuters.contrib method.

#### **New rmdsconfig Function to Start Reuters Configuration Editor**

You can now use the rmdsconfig function to start the Reuters Configuration Editor.

### **Reuters fetch Function Callbacks Now Require Three Inputs**

In previous releases, the reuters.fetch function callbacks required two inputs. They now require three. The third input argument is the serviceName.

### **Compatibility Considerations**

If you wrote code with the reuters.fetch function in R2010a, it will no longer work. Modify your callbacks to take a third input. Type help rtdemo at the command line to see an example.

### **Proxy Information No Longer Required for yahoo Function**

In previous releases, if you wanted to connect to Yahoo! through a proxy server, you needed to supply your IP address and port number. This is no longer necessary. The yahoo function now uses the proxy information supplied in the MATLAB Web Preferences. To view or update your information, select **File > Preferences > Web**.

# R2010a

Version: 3.5

**New Features** 

**Bug Fixes** 

#### Support for Bloomberg Version 3

Bloomberg has released a new version of their API. The new blp class supports the Bloomberg V3 interface. Support for Bloomberg V3 has been implemented using their Java® API which makes the toolbox platform independent for Bloomberg users allowing them to run on 64-bit Windows machines.

#### **Bloomberg Pre-V3 Access Not Supported**

Bloomberg has released a new version of their API. They are not disabling the older API but no longer support it. The existing bloomberg methods will display warnings notifying users that they should move to the blp methods. The ActiveX® methods for bloomberg will also generate warnings. The bloomberg class and its accompanying methods will be removed in a future release.

#### **Compatibility Considerations**

Update your code to use the new blp class and its accompanying methods. For example:

See the function reference page for blp for more information.

# R2009b

Version: 3.4

**New Features** 

### **Support for New Access Methods**

- Reuters Time Series One allows you to access historical end-of-day data from Reuters.
- New Bloomberg methods use the Bloomberg ActiveX interface.

# R2009a

Version: 3.3

**New Features** 

### **Support for Retrieving New Types of Data**

Datafeed Toolbox software now supports retrieving data from the following sources:

- Reuters Datascope Tick History software via the Web
- Enhanced Kx Systems, Inc. kdb+ data type support
- RFA 6 for Reuters Market Data System
- Haver Analytics data aggregation

For more information, see Thomson Reuters Tick History, Kx Systems, and Haver Analytics.

# R2008b

Version: 3.2

**New Features** 

## **Support for Retrieving New Types of Data**

The Datafeed Toolbox software now supports retrieving data from the following sources:

- Reuters Datascope Tick History software
- Reuters Knowledge Direct software
- · Reuters Newscope software

For more information, see Thomson Reuters Tick History and Reuters Newscope.

# R2008a

Version: 3.1

**New Features** 

# **Datafeed Toolbox Software Support for Hyperfeed Data Service Discontinued**

The Datafeed Toolbox software no longer supports Hyperfeed® data service.

# R2007b

Version: 3.0

**New Features** 

## **Reuters Market Data System Support**

Datafeed Toolbox support has been added for Reuters Market Data System. For more information, see reuters.

# R2007a

Version: 2.0

## Kx Systems, Inc. kdb+ Database Support

Support has been added for Kx Systems, Inc. kdb+ database.

## **Haver Analytics Data Support**

Support has been added for Haver Analytics financial data.

# R2006b

Version: 1.9

#### **Federal Reserve Economic Data**

Support has been added for Federal Reserve Economic Data (FRED).

#### **Additional Fields Added for Yahoo! Support**

The Yahoo! fetch command supports additional values for <code>Fields</code>. For a complete list of supported values for market and historical data, see <code>matlabroot/toolbox/datafeed/@yahoo/yhfields.mat</code>.

# R2006a

Version: 1.8

## **Thomson Datastream Support Added**

Version 1.8 of the toolbox adds support for Thomson® Datastream data service. Version 1.8 provides functions to obtain price, profile, historical, and tick data from Thomson Datastream data servers.

#### **Thomson Datastream Function Summary**

Function	Purpose
datastream.close	Close connection to data server
datastream	Connect to the Thomson Datastream API
datastream.fetch	Request data from data server
datastream.get	Get connection object properties
datastream.isconnection	Verify whether connection to data server is valid

## **R14SP3**

Version: 1.7

### **Enhanced Capabilities for Bloomberg fetch Command**

The following capabilities have been added to the bloomberg.fetch command:

- Currency conversion
- Security type identifier support
- · Real-time support

The real-time support capability effectively replaces the monitoring capability that had been added to the Bloomberg fetch command in Release 1.5. Although the monitoring capability has been removed from the documentation, the capability remains in the product for backward compatibility.

## **R14SP2**

Version: 1.6

## **FactSet Data Service Support Added**

Version 1.6 of the toolbox adds support for FactSet data service. Version 1.6 provides functions to obtain price, profile, historical, and tick data from FactSet data servers.

#### **FactSet Function Summary**

Function	Purpose
factset.close	Close connection to data server
factset.fetch	Request data from data server
factset.fetch	Get connection object properties
factset	Connect to FactSet data server
factset.isconnection	Verify whether connection to data server is valid